

ing until 1917.

he trouble six years ago, and referred

to statemen a made by S. S. Peck in

cake and/molasses had nothing to do with nematodes. Field No. 13, at

Paunene was the worst he had ever

seen, and neither press cake nor mo-

lasses had ever been used there. F. F. Baldwin corroborated this statement.

Mr. Baldwin thought healthy cane im-

ISLANDS

HAWAII

Olaa Sugar Co., Ltd.....

Waiakea Mill Co.....

Hawaii Mill Co., Ltd.....

Pepeekee Sugar Co....

Hakalau Plantation Co.

omes Sugar Co.....

mane to nematode attack.

Tubstation On Hawaii

Root Worms Cause Injury



SUGAR PLANTATION MANAGERS' ANNUAL SESSION CONVENES TO DISCUSS INDUSTRIAL PROBLEM

With President A. W. T. Bottomley In the Chair-Insect Pests and manures, in the noil, drainage of affected areas, and dressings of gypanm. Parasites, Plant Diseases, Field Practise and Cultivation, Milling, Marketing and Other Topics Receive Serious Attention

The thirty-fifth annual meeting of the Hawaiian Sugar Planters' Association convened at the chamber of com merce rooms Tuesday morning. The settring president of the association. J. M. Dowsett, delivered his address as follows

"It is my duty as president of your association to open this, the 37th anhual meeting of the as: ... in ion, and to all those in attendance I extend hearty welcome.

The keen inferest shown in the business which was transpected at our last meeting by the large number of members who were in attendance was testimony enough to the important and value of these annual meetings to the industry in which we are engaged and I hope that at this ression the free exchange of ideas and experi-ences, particularly by those of us whose business it is directly to pro-duce our sugar, will be of benedit and pleasure to all engaged in the sugar in dustry of this Territory. 'Future History'

"It is a trite saying, which present conditions in Europe do not contra diet, that that country is happy which has no history, and it can be with equal truth that the sugar in ! try of Hawaii is fortunate when president of its association has to explore the mysterious future in order to find topics wherewith to pad his annual address, for a favorable sea son, heavy yields, good prices an peaceful, if not wholly contented labor. leave me little to say as to the past except that I trust our good fortune will kindle in us sentiments of gratitude and generosity, which will find expression in acts which correspond to them. That one deserving class will become not be forgotten, I shall shortly show.

"The very few statistics I give you will take little time to read, and may be useful at least for reference. "The past year gave us a new record in our crop of sugar, the total exceeding that of 1914, the next largest, by 29,408 tons.

The Weather Helped

yield is due to the exceptionally fa is very encouraging, vorable weather in the summer of Progress on Disease Control 1914, which especially benefited the of Hawaii.

for the year cusing October 31, last, ments now being made at the Warren treasurer, W. O. Smith; assistant secbased on the average Unban basis for sub-station taise the hope that the retary and treasurer, Louis J. Warren; 96 degrees centrifugals, in New York, cause of this revations disease will be

obtained in all the case growing countries and with the yield of the beet work of propagating seedling can's for keeping with the many good examined and a good. well as falling off in the world's con ly supply of these is now available for sumption, lower prices were expected those plantations that may be in next towards the close of the year.

A scarcity of o-can tonunge, low-Recent High Prices "A searcity of ocean toninge, however, in the past few months, thereby delaying the marketing of the last of made and i expect that this important Directors' Report Dr. H. P. Agee, director the 1915 Cuban crop, largely contributed to a sudden demand on the part of the eastern retiners for supplies of raw sugar to meet their requirements as this season of the year, resulting the substant is apparently clear that the apparently clear mentary postern has not been settled. The most section insect attacks during the most section in the part of the case of the most section in the most section in the part of the most section in the mo in the price of the raws again advancing to everyone - satisfaction wars ago.

of these immigrants that what the pio tural industries, American enterprises entirely to their plantations and to the neers consisted of his been obtained, and shift have been able to obtain. Waipin is neers consisted of his been obtained, and a high value is now placed on this labor by our managers. They, rapidly after their arrival, gain in weight and state of Utah standard, commercial distributed from this center.

vantages, which it was haped would polash exalasticity, be derived by the Philippines, through some of its people being given an op- of the data farmished by Dr. Norris 15 had been devoted to a study of soil some of its people being given an opportunity of working alongside of and the resolutive on the manufacture conditions. During that time he has other labor, which is overywhere to of sugar and attlication of by products on the thirty-four complete austysis of garded as highly efficient, are heng in their last annual report to the assosecured.

ciation is directly interested, arraved evaporation in many of our factories during the year 1915.

Plantation Improvement domestic equalitions of our plantations. Congressional Visit

leave little ground for complaint.

labor on our sugar plantations receiv | the details of the main indistry. ing not more than \$24 per month. The outcome of his visit a count to twenty per cent of the wages by favorable to the Territory. paid, which, is at the rate of \$57.60 for the year, a substantial addition of, may, little of which we are not the soil particles. The bacterial condiwhich I am sure none of as begrudge proud. This wiste awake, energet a tion of the sads was in all cases suffi

ment station under Director Ages con which were the Vascican mosionars times, and will be fully dealt with in Cathers, has no apology to offer for what salt and black atkalt. The recommend the report of the experiment station is found here.

W. T. BOTTOMLEY, New President of Hawaiian Sugar Planters' A sociation. Elected Yasterday * *



committee, to be presented at this

More Parasites on the Way

"Frederick Muir of the entomologcal department is again in the Orient, A. W. T. Bottomley and W. O. Smith. continuing his researches in connection with parasites on the anomola beetle, in the past will result in his ultroatery securing control of what in time mucht adustry here.

"Up to the present it may be said twelve o'clock. that while he has to some extent been ! successful in his statch for parasites, had always been the rule for the inis meeting with difficulties in suc. the main proceedings. yield being 646,446 tons, this amount cossfully brooting the parasites he has Some of the credit for this large from his latest advices that the outlook cloven o'clock was declared.

on the Island Labaina disease still continues to haf President, A. W. T. Bottomley; vicefle the efforts of the scientists to des President George Rollek; secretary and The average price for our product cover its origin at cause, but experi

strength and are soon not only desirons but become well able to compete with their fellow workmen of the different races.

"The conclusion is clear that the any control of the standard, commercial distributed from this center.

Black Alkali and Salt

At the afternoon session Dr. Agee read his report on the Lahaing disease and then a year or two homes to fer title our from the control of the experiment station for course with American potential distributed from this center.

Black Alkali and Salt

At the afternoon session Dr. Agee read his report on the Lahaing disease and then called on P. S. Burgess, chief there is the standard, commercial distributed from this center.

cration, is due the introduction of new i 'No other labor, in which the asso and suproved methods of milling and that we do not intend to lose our place

claims some part in the improved straining the spring of Buts Hawari them for health of our labor, which has been was homored by a visit of some too methods good during the year, and the wages to congression, who spent a most lu all thirty four soils Dr. Burgess now paid, if they do not satisfy all, strenous tortught visiting the larger determined the a'kali, available plant islands of the Territory, which gave "The good prices obtained for our them an excellent of portunity to acerop make the bonus payable to all quant themselves at urst hand with of soch and he concluded that as only

We have nothing to be ashamed paying to this useful class of our pop built up by American busins, upon the Experiments Started "The important work of the expert well-land toundations, the builders of fane, Dr. Borgesa said, seems to

"It contains all that goes to make p what is called civilization, and laims its place among the American people by its works in every form of homan activity, which have never low ered the standard of America's highes:

Biggest Crop on Record Secretary W. O. Smith presented his annual report and the minutes of the meeting a year ago. He said that the crop report for the year ending September 30, 191,, was present ed, showing a total tonuage produced of 617,038 tons (short tons), being the largest crop thus far produced in these islands.

"Herewith is presented the crop re port for the year ending September 30, 1915, showing a total tonnage for the year of 646,445 tons, an increase of 29,407 tons over 1914, as also a statement of the tonnage produced for the past ten years. These reports have been prepared by R. D. Mead, director of the Bureau of Labor and Statistics of the Association.

During the year the trustees have held therty seven meetings, Mr. Sydney M. Ballou has continued to represent the association at Washington and bar rendered valuable services.

Old Directors Re-elected On the next order of business, election of directors, the old board was re-elected on motion of J. T. Moir as follows: F. A. Schnefer, E. D. Tenney E. F. Bishop, F. M. Swanzy, J. P. Cooke, George Rodick, J. M. Dowsett,

A recess as usual until the after upon to permit the trustees to elect and I am sure we all hope that the concers having been suggested by the success which has followed his efforts president. Mr. Smith said that this has ness ordinarily took only a serious menace to the sugar so much idle time. One of the committee reports might be taken up until

President Dowsett objected that it yet, as was to have been expected, coming president to take charge of

E. D. Tenney said there was a com found, and solving the problem of sale mittee room available for the trustees transportation and successful introduc to meet in immediately, and on mo

Bottomley President Upon the resumption of business Mr "In the pathological department the Dowsett announced the following offi-

turesident, George Rod ek; secretary and

anditor, J. W. Waldron.
Mr. Bettomley, informally introduced was 4.4934 cents per pound or \$80.508 discovered When this is found, it is Mr Bettomley, informally introduced per ton.

Mr Bettomley, informally introduced believed that there will be no difficulty by the retiring president, took the believed that there will be no difficulty by the retiring president, took the "Good crops of sugar have been in finding a remedy for it. Chair. Ite expressed his appreciation stained in all the cane growing coun. "In the agricultural department the ples set by predecessors. As the first report of the experiment station com

J. F. C. Hagens, chairman of the

in the price of the raws again advancing until it reached the high point of the year early this month. Still, prices to consumers have never reached figures which worked a hardship to anyone.

"Small numbers of Erlipmos have arrived during the past year, and as the result of the better knowledge of the superior labor conditions here, communicated no doubt by those here to their friends at home, a better class of these immigrants that what the mental the great agricult.

The most serious insect attacks during the most serious insect attacks during the very have been leaflopper and anomala beetle. It. Agree touched briefly on what had been done and on the search for parasites now being convergence of the superior labor conditions here, communicated no doubt by those here to their friends at home, a better class of these immigrants that the the the first the first the first the price of the great agricult outliers have been leaflopper and they can "Fortunately for the great agricul outbreak having been confined almost

> soils and subsoils collected on irrigated plantations on Mani, Oahu and Kanai from fields where this disease is apparent and also from fields where the discase has not been observed. At an early stage in these investigations he found the old Hilgard methods of an alysis unsatisfactory and discarded them for the modern bureau of soils

In all thirty time soils Dr. Burgess food and bacterial flora. Most of the sorls where this disease was evident The outcome of his visit amout but Ity analysis the disease is probably caused by undue accumulation of soda -alts in the colloidal films serrounding cient for healthy growth of cane.

ed as correctives the incorporation of

a substation on Hawaii as a center from which to distribute new canes, caused lengthy discussion. He said new strains or mutations often oc curred in cames and that there is need of trial plots where this can be stud

James Campsie favored a substation in Hamakua negr the end of the rail road, especially to propagate new varieties very few of which have ever got as far as Hamnkua, he said.

E. Faxon Bishop asked how much land would be needed and how much Tub experiments are now under way with Lahaina disease, using Yellow (a) of an establishment,-whether a scien donia and La nina case, to test out tific man would have to be located there in charge of it. Dr. Agee thought a few acres enough and that no new-men need be employed. President A. In answer to a question George F. Benton of Ewa said he is trying out gynum to counteract Lahaina disease W. T. Bottomley thought the idea excellent and asked some one to put it in the form of a motion where upon but that results will not be forthcon. "The proof of pudding is in the cating, and the proof of came is in the grinding, 'Mr. Renton, remarked, 'We will have to wait a M. Dowsett moved and John Moir seconded that the establishment of a new substation on Hawaii be rewhile to see what we see. ' ferred to the experiment Dr. H. L. Lyon said he had suggested; mittee with power to act. ferred to the experiment station com-

polsons as the probable cause of | All In Pavor Of It Discussion of the motion by A. Lid gate, C. F. Eckart, C. B. Penhallow, J. T. Moir, J. F. C. Hagens, E. D. Tenney, J. M. Dowsett and E. F. Bish-Dr. Agee then asked Dr. Lyon to tell on cm. hasized the point that Hawaii hout the ravages of nematode worms, needs more work done for it and that 13, at ferring to the Hamakus cane and Ha- 5637 seres. makua menagers as 'all of one vari-ety— Scotch' —John A. Scott favored Again we may rec the idea heartily and wanted it n der the Lahains area on each of the four ing: the experiment station because "man islands. It is interesting to com are agers-are not accentists." Jam's Web the 1913, 1915 and 1917 crop areas ster and J. W. Waldron also spoke in

(Continued on Page Seven)

HAWAIIAN SUGAR CROP---1914-1915

FROM OCTOBER 1, 1914, TO SEPTEMBER 30, 1915.

(Compiled by Bureau of Labor and Statistics, Hawaiian Sugar Planters' Association)

C. Brewer & Co., Ltd.

Hakalau Plantation Co.....

Hawaiian Agricultural Co.....

Hilo Sugar Co.....

Honolulu Plantation Co.....

Honomu Sugar Co.... Hutchinson Sugar Plantation Co...

Kilauea Sugar Plantation Co.....

Olowalu Co.

Onomea Sugar Co.....

TOTAL

*TONS

27,406

16,141

17,905

3,793

21,320

11,948

9,852

19,327

Census of Cane Varieties Crops of 1915, '16 and '17

By H. P. AGEE

A composite opinion of all the plantations of the association on the matter of cane varieties can be reached in no better way than by making a count of Kauai Maui the number of acres devoted to each Oahu cane, and noting which varieties are being extended and which are being reduced. Two years ago we made such a consus. The changes since then are rather striking. There are at the present time fifty one varieties of cane which occupy areas of one acre or more. Two years ago there were forty-two. The comparative figures for the two ounts are given as follows for the dif

forent		Ü	u	Ø	Ħ	H	3	ĸ.					- 2
									1913	Census	191	5 Census	-
Hawai	i								19	varities	28	varities	
Kauai										4.4.	16	6.6-	
Mani							-		9	4.4	15	- (4	1
Online		i	٠	,		Ä			33	4.4	85	4.6	

fests many plants other than cane. The Italian lupine is especially suscept ble.

The Italian lupine is especially susc point of area, Yellow Caledonia is

with respect to this variety, noting a

TONS

16,407

17,905

18,233

9,652

6,781

6,738

2,173

TOTAL

		1913	hown as 1 1915	1917
		Leres	.Acres	Acres
Hawaii .		410	798	1,347
Knuni	127000	18	343	1,38
Minui		28	510	1,100
Oshi		373	839	1,081
Total . Ten Vari		829	2,490	4,916

1913 Crop 1915 Crop 1917 C.op

13,187

16,019

9,616

Acres

...16,568

Total. . . 41,208

There follows a tabular statement listing these varieties in the order of Again we may record a decrease in their total acreages at the present writ

1916-1917 Crops	112,947 67,510 8,801	6,902 4,835 2,831 2,187	1,473
1917 ('Yop	37,365 31,757 4,910	3,764 19 8 19 8 19 8	2770
1913 Crop	37,894 37,394 2,490	3,200 2,557 1,194 989	183
1913 Crop	59,114 41,208 8,9	3,740 2,377 683 1,325	- 4
	0100	₩ 10 C 1- OC	0 0
	Yellow Caledonia Lahanaa D 1185	Rose Bambog D 117 Yellow Ramboo	Striped Mexican

he area of H 109 is one of the significant points of this table. Two years age this H :waiian scedling occupied but 88 acres, ob acres planted to it for the 1916 and 1917 crops, This is the most rapid extension that has teen accorded any variety. Detailed figures follow:

	H 109	AREA	S.	
	1913	1915	1917	1916 &
	Crop.	Crop.	Crap.	1501
Hawaii	000000	7	35	3.7
Kanai	29065630	17	130	130
Mani	4 1 5 4	190.4	13	1.3
Oahu	4 4 1 4	15	1,072	1,578
221 11 11	-	distance.		an extraording
Total	5.75.7	39	1,250	1,776
Hawaiian i				

There are thirty three Hawsiian seedlings which occupy areas of one acre and upwards. To these the H. S. P. A. plantations now devote 3269 acres, as against 822 neres two years ago. comparison by islands with the previous census is given below: Hawaitan Seedling Areas

	1913		46.60
			915
	Census,		maur.
Hawaii 103	acres.	341	acres.
Kauni 18	4.4	183	
Maui 2		104	8.4
Ольи	4.6	2,641	6.4
Total 822	acres.	3,269	aeres.
Ewa Plantation st	ill has	n large	r niva

in Hawaiian scedlings than all the rest of the plantations; or 1817 serve against 1450. Oahu Sugar Co. has 617 neres under the H. seedlings, making a total of 2,436 acres for these two plantations, as compared with 833 for the remaining plantations of the Associa-Next to H 100, the most extensive'v

cultivated Hawaiiau seedling is H 20, with 400 acres to its credit for the 1916 and 1917 crops. There are three others which occupy areas of over 100 acres-H 227 with 284 acres, H 146 with 183 eres, and H 333 with 146 acres. Rate of Increase The following is a list of these and

other H. seedlings which are important enough to have been planted to areas of ten acres or more: They are arrangd seconding to the extent they are cul-1915 1916 1917 ---

11/1/9	126 149	1917	and.
			1917
39	540	1916	1756
100	355	45	400
133	133	151	284
40	116	6.7	187
6.3	87	59	1445
20	55	11	666
33	58	N. 4. K	5%
95	54	3	57
25	41	1.5	56
12	38	1	39
- 8	37	7.15	27
18	14	18	53
9	24	6	30
7	10	9	150
8	9	7	145
40000	9080	13	12
25	12	4.00	1-2
3	7	4	11
10	4 4 4	10	10
	39 100 133 40 63 20 33 25 25 12 8 18 9 7 8	39 540 100 355 133 133 40 116 63 87 20 55 33 58 25 54 12 38 8 37 18 14 9 24 7 10 8 9	100 355 45 133 133 151 40 116 67 63 87 59 20 55 11 33 58 25 54 3 25 41 15 12 38 1 8 37 18 14 18 9 24 6 7 10 9 8 9 7 12 3 12 3 7 4

				100.000
8,613	1	Alexander & Baldwin, Ltd.		165,189
7,253	l .	Alexander & balgwin, Lie.	4000 00000	
3,098 2,840		Hawaiian Commercial and Sugar Co.	56,780	i i
		Hawaiian Sugar Co	24,706	
7,780 3,437		Kahuku Plantation Co	7,828	F
9,426		Koolan Agricultural Co., Ltd	487	1
1,429		Laie Plantation Co	1,171	1
Control of the Control of the Control		Maui Agricultural Co	39,620	1
3,444		McBryde Sugar Co., Ltd	15,458	1
6,781		The Control of the Co		146,045
16,407	010 505	H. Hackfeld & Co., Ltd.	(A) IS	1900040000
	240,785	Grove Farm Plantation	4.002	1
1		Hawaii Mill Co., Ltd	4,007	1
	,	Kekaha Sugar Co., Ltd	3,793	1
33,229	WI S	Kipahulu Sugar Co	15,078	ł.
2,173		Koloa Sugar Co., The	2,699	ı
19,177		Kona Development Co., Ltd	9,502	į.
56,780		Lihue Plantation Co., Ltd.	3,444	Ĭ.
39,620	7	Oahn Sugger Co. Les	21,494	
6,605		Oahu Sugar Co., Ltd	29,609	t
2,699		Pioneer Mill Co., Ltd	33,229	[
2,000	160,283	Waimea Sugar Mill Co., The	1,404	l .
	100,200	1 2 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		124,259
1		Castle & Cooke, Ltd.		
1		Apokaa Sugar Co., Ltd.	356	1
18,233		Ewa Plantation Co	29,502	1
29,609		Kohala Sugar Co	29,302	1
29,502		Waialua Agricultural Co., Ltd	7,780	
356		and angenomental Co., Little	31,156	00.00
6,400	1	Then H Davis A C. 111	-	68,794
31,156		Theo. H. Davies & Co., Ltd.		ı
7,823		Halawa Plantation	2,840	1
1,171		Hamakua Mill Co	9,261	
487	4	Kaeleku Plantation Co., Ltd	6,605	ř.
5,260		Kaiwiki Sugar Co., Ltd	6,849	
	129,997	Kukaiau Plantation Co	4,672	
	- and the same	Laupahoehohe Sugar Co	11,730	
- 1		Niulii Mill and Plantation	3,098	
21.12.		Union Mill Co	3,437	
21,494		Waiakea Mill Co	16,141	
4,007		The second medical property of the second se		64,633
9,502		Bishop & Co.		- Jajanjo
15,458		Olea Sugar Co. Yes		
24,706		Olaa Sugar Co., Ltd	27,406	No.
5,259		parameter and the second		27,406
1,404		F. A. Schaefer & Co., Ltd.	1	•
15,078		Honokaa Sugar Co	8,613	
795		Pacific Sugar Mill	7,253	
6,733			1,400	15 000
10,944		Makes Sugar Company		15,866
	115,380	Makee Sugar Company Makee Sugar Co		
		Makee Sugar Co	10,944	
		The state of the s	-	10,944
- 1	1	Hind, Rolph & Co.		100000
		Hawi Mill and Plantation	0.000	
- 1	- 1	min and Flantation	9,426	2.10
1				9,426
		Henry Waterhouse Trust Co., Ltd.		
- 1		Gay & Robinson	5,259	
		Puakea Plantation	1,429	
	1		4,450	6,688
1	100	I M Downett		0,000
		J. M. Dowsett		1
- 1	- 1	Waianae Co	6,400	0
1	. 1		-	6,400
		H. M. Van Holt		E
- 1	- 1	Estate V. Knudsen	205	V I
	1	T. A. H. H. L.	795	mar
		L		795
			-	-
	646,445	Total		646,445

Laupahoehoe Sugar Co	11,730		Onomea Sugar Co		1
Kaiwiki Sugar Co., Ltd	6,849	1	Panuhau Sugar Plantation Co	10,073	1
Kukaiau Plantation Co	4,672	1	Pepeekeo Sugar Co		1
Hamakna Mill Co	9,261	1	Wainanala Sugar Co	19,177	1
Paauhau Sugar Plantation Co	10,073	1	Waimanalo Sugar Co	5,260	
Honokaa Sugar Co	8,613	1	Manual British		165,18
Pacific Sugar Mill	7,253	ı	Alexander & Baldwin, Ltd.		
Niulii Mill and Plantation	3,098		Hawaiian Commercial and Sugar Co	56,780	l.
Halawa Plantation	2,840		Hawanan Sugar Co	24,706	1
Kohala Sugar Co	7,780		Kahuku Plantation Co	7,823	1
Union Mill Co.	3,437		Koolan Agricultural Co., Ltd.	487	l l
Hawi Mill and Plantation	9,426		Late Plantation Co	1,171	1
Puakea Plantation	1,429	1	Maui Agricultural Co	39,620	
Kons Development Co., Ltd	3,444		McBryde Sugar Co., Ltd	15,458	I
Hutchinson Sugar Plantation Co	6,781				146,04
Hawaiian Agricultural Co	16,407		H. Hackfeld & Co., Ltd.	0.00	
		240,785	Grove Farm Plantation	4.000	1
MAUI			Hawaii Mill Co., Ltd.	4,007	1
			Kekaha Sugar Co., Ltd.	3,793	
Pioneer Mill Co., Ltd	33,229	V .	Kipahulu Sugar Co	15,078	
Olowalu Co	2,173		Koloa Sugar Co., The	2,699	1
Wailuku Sugar Co	19,177		Kena Development Co., Ltd	9,502	
Hawaiian Commercial and Sugar Co.	56,780		Lihue Plantation Co., Ltd.	3,444	
Maui Agricultural Co	39,620	1	Oahu Sugar Co., Ltd	21,494	
Kaeleku Plantation Co., Ltd	6,605		Pioneer Mill Co., Ltd.	29,609	
Kipahulu Sugar Co	2,699		Waimea Sugar Mill Co., The	33,229	
		160,283	and the contract of the contract of	1,404	10105
OAHU					124,25
UMPIO			Castle & Cooke, Ltd.		
Honolulu Plantation Co	18,233		Apokaa Sugar Co., Ltd	356	
Oahu Sugar Co. Ltd	29,609		Ewa Plantation Co	29,502	
Ewa Plantation Co	29,502		Kohala Sugar Co	7,780	
Apokaa Sugar Co., Ltd	356		Waialua Agricultural Co., Ltd	31,156	
Waianae Co.	6,400		le sales as a second of the	+	68,79
Waialua Agricultural Co., Ltd	31,156		Theo. H. Davies & Co., Ltd.		
Kahuku Plantation Co	7,823		Halawa Plantation	2,840	
Laie Plantation	1,171		Hamakua Mill Co	9,261	
Koolau Agricultural Co., Ltd	487		Kaeleku Plantation Co., Ltd	6,605	
Waimanalo Sugar Co	5,260		Kaiwiki Sugar Co., Ltd	6,849	
E SCHOOL WAS BOSH OF THE WAR IN 165 YET THE 165 HE		129,997	Kukaiau Plantation Co	4,672	
MARIAL		200,000	Laupahoehohe Sugar Co	11,730	
KAUAI	1		Niulii Mill and Plantation	3,098	•
Libus Plantation Co. Tad	93.404		Union Mill Co	3,437	
Libue Plantation Co., Ltd	21,494		Waiakea Mill Co	16,141	
Koloa Sugar Co., The	4,007 9,502		IN SERVICE OF SERVICE OF ASSESSED		64,633
McBryde Sugar Co., Ltd	12000		Bishop & Co.		25,000
Hawaiian Sugar Co.	15,458 24,706		Olaa Sugar Co., Ltd	07.100	
Gay & Robinson	- 1 51 7 11 1 1 1 1 1 1		ona ougar con ma	27,406	
Waimea Sugar Mill Co., The	5,259 1,404		F 4 C.1. 4 . 4 C		27,406
Kekaha Sugar Co., Ltd	15,078		F. A. Schaefer & Co., Ltd.	1	
Estate V. Knudsen	795		Honokaa Sugar Co	8,613	
Kilauca Sugar Plantation Co	6,733		Pacific Sugar Mill	7,253	
Makee Sugar Co	10,944				15,866
en weite manne Mannes and Mannes	AMMERIT	115,380	Makee Sugar Company		
ſ		110,000	Makee Sugar Co	10.044	
-			Section of the sectio	10,944	10.04
1	ı		Wind Dalet 4 Co.		10,944
:+1			Hind, Rolph & Co.		
	1		Hawi Mill and Plantation	9,426	
. 1	1		an 220 0		9,426
	1		Henry Waterhouse Trust Co., Ltd.		
1	- 1		Gay & Robinson	5,259	· ·
- 1	- 1		Puakea Plantation	1,429	
1			particular manners of the content of the	4,700	6,688
1	1	177	J. M. Dowsett		9,000
	- 1				-
			Waianae Co	6,400	10000000
ı	1				6,400
1			H. M. Van Rolt	1	
- 1		1	Estate V. Knudsen	795	
	- 1			.00	1 795
			Liver and the second second		100
The second secon					
Total		646,445	Total	1	646,445